PROLESKI
NATURAL
CONDITIONS
EXCITING GAME!

KEY FACTORS BEHIND THE SKI SIMULATOR SELECTION

PROLESKI

KEY FACTORS BEHIND THE SKI SIMULATOR SELECTION:

When choosing a ski simulator, it is crucial to give answers to three key questions:

What is important for the customer?

The answer to this question will directly influence the final choice of the simulator's functional capabilities and features.

Location of the ski simulator.

Business success directly depends on the club location, while the latter depends on the capacity to host a ski simulator. When choosing a simulator, it is important to take into consideration its dimensions, fire safety, building floor stress, and ease of logistics / assembly.

Costs

Here it is essential to take into account both capital expenditure and running costs, related to the installation and maintenance of the ski simulator.

EVERYBODY WANTS CARVING!

Carving requires speeds above 30 km/h and sharp ski edges.

WHAT IS IMPORTANT FOR THE CUSTOMER?

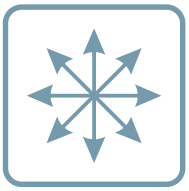
NATURAL CONDITIONS

SMOOTH RIDE:
is identical to the prepared mountain snow, thanks to a special ski carpet Proleski, an automatic moistening system, a special concentrate and other technologies Proleski. **The smoother the ride, the more comfortable the training and longer-lasting ski carpet and ski equipment.**

SPEED FOR CARVING:
is necessary for creating forces, at which a skier effortlessly turns into a turn along an arc of a ski cut, a "clean carved turn", "pendulum" and starts from 30 km / h or more. **Higher skills require more complicated skiing techniques and higher skier's speed.**

SHARP EDGES:
use the real sharp edge gear that provides ski control, proper technique and safety.

On real tracks they ride only on sharp edges.



TERRAIN MODELING:
It is ensured by the "Up-down-right-left" platform movability. Training under "maximum possible reality" conditions, with effects of turns, accelerative forces, hummocks, and jumping-off places with the help of moving platform in 8 directions provides. **More complicated real tracks have more complex relief.**

	10-20 sets	20-40 sets	40+ sets	more than 1000 sets
PROLESKI®				
	Beginner	**Amateur**	**Advanced skier**	**Professional skier**
Skill mastering and fixation	1.5-4 hours or 10-20 sets	5-8 hours or 20-40 sets	From 8 hours or from 40 sets to infinity	No limitations on the skill mastering time
Skiing technique	Plough, Sidestep	Parallel skis with heel slips, minor carving elements	Carving	Carving
Track complexity level	"Green"	"Green", "Blue"	"Red", "Black"	"Red", "Black"
Edge sharpening	Blunt	Sharp	Sharp	Sharp
Speed	18 km/h	28 km/h	30 km/h	30 km/h
Platform tilt angle	12°-14°	13°-15°	13°-23°	13°-23°
Platform movability	Static	Dynamic ("up-down")	Dynamic ("up-down-right-left")	Dynamic ("up-down-right-left")
PROLESKI™ ski simulator series	**OPTIMAL**	**VERTICAL, DIRECTION**	**DIRECTION**	**DIRECTION, SPORT**

Carving is the most widespread and advanced skiing technique in the world. Carving is the skill that arouses interest, awe, and admiration of the target audience.

True carving is possible only with 30 km/h speeds and higher – only in this case the motion generates an inertia sufficient enough for a skier to get into a turn without any excessive efforts to feel the real pleasure from the arc sliding.

Carving is used by 50% of amateurs + 100% of advanced skiers + 100% of professionals + the most skillful representatives of downhill disciplines. This technique is the one that all mountain skiing sport beginners and amateurs strive for – for the beauty, self-affirmation, and the astonishing feeling of easiness and simplicity of sliding at mountain skiing tracks!

WHAT IS IMPORTANT FOR THE BUSINESS?

For business success, it is important to maintain high motivation and loyalty of the target audience as long as possible using the available technical capabilities of the ski simulators.

"Beginners" need 10-20 trainings to master basic skills, after which they become "amateur", "experienced", "professional", who already need the functions of NATURAL CONDITIONS (sharp edges, high slip, high speed, terrain modeling) and game features.

MOTIVATION AND LOYALTY OF THE TARGET AUDIENCE IS ACHIEVED THROUGH THE FUNCTIONS OF THE SKI SIMULATOR:

INTEREST:

thanks to the creation of NATURAL CONDITIONS - high slip, the use of sharp edges, speed for carving technique above 30 km / h, terrain modeling.

ADRENALINE:

due to unknown tracks of terrain modeling in 8 directions in the series Proleski Direction;
High speed on a steep slope

EFFICIENT TRAINING:

in small groups and in close proximity to the athlete - proven fact of expected and high quality results;
1 training on the simulator replaces 10 training on the slope;

GAME FEATURES:

rivalry in competitions, championships with the help of the module "Records"
Virtual Reality 8D Vision - an exciting game

1 PERSON - 1000 SETS PER YEAR:

INTEREST, ADRENALINE, EFFICIENT TRAINING, GAME FUNCTIONS increase the number of workouts by more than 100 times what is needed to obtain basic skills.

PROLESKI - natural conditions, professional training, an exciting game! Inventions are patented. There are no analogues in the world.

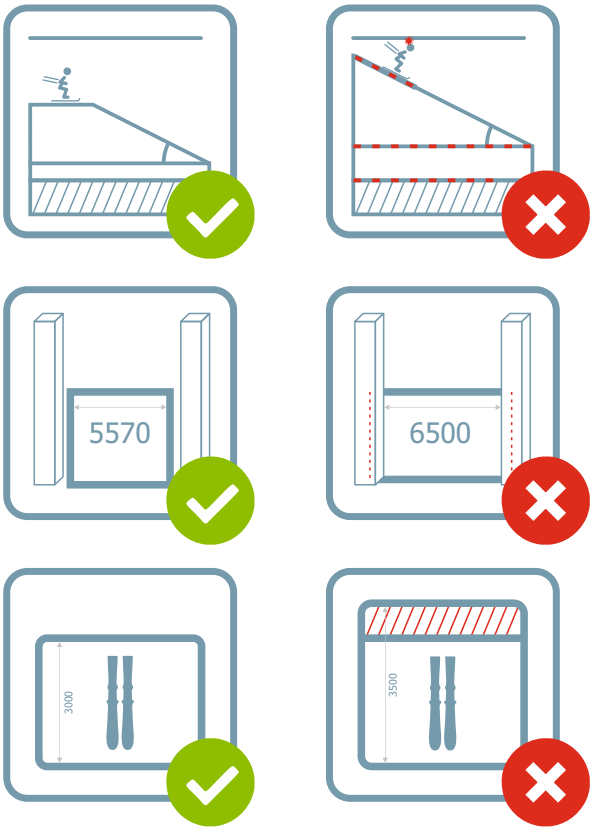
LOCATION OF THE SKI SIMULATOR

Choice of the location defines the future success of your business. Public buildings with high flow of your target audience are a perfect location for placement of the simulator. Such edifices are built taking into consideration all international construction norms, have standardized dimensions, and are quite particular and exigent with respect to the equipment used.

When choosing a ski simulator, specific attention should be paid to the following features and characteristics:

- Ski simulator's overall dimensions
- Building floor stress
- Ease of the ski simulator's logistics / assembly
- Fire safety level

Optimal dimensions of the ski simulator provide wider possibilities on the choice of premises and cut down the costs per square meter.



Ceiling height. Present-day commercial buildings have a ceiling height of 5-5.5 meters; therefore, while choosing a ski simulator, it is extremely important to take into consideration how "appressed" is to the floor the equipment, as well as the simulator's height in the upper point with the maximum tilt angle of the platform.

PROLESKI™ ski simulators are "appressed" to the floor as much as possible and perfectly fit into premises with ceiling heights of 3.5 meters and higher.

Width. According to the generally accepted construction norms, the minimal bays of the present-day buildings equal to 6000 mm between their axes; therefore, the ski simulator's width must be ≤ 5570 mm.

PROLESKI™ ski simulators have an overall width of 5570 mm and perfectly fit into premises with inter-axial bays of 6000 mm.

Length. The 3-meter length of the ski carpet will be enough to ensure comfortable skiing of one adult with 150-170 cm long skis. Any shorter length of the ski carpet will be uncomfortable for skiing, while a longer one will be inexpedient.

PROLESKI™ ski simulators have a ski carpet length multiple of 3 meters, which is optimal for all skiing techniques.

Floor stress: Any excessively hard weight of ski simulators may generate an increased floor stress and jeopardize the architectural integrity of the building.

PROLESKI™ ski simulators, due to the utilization of lightweight thin-walled sections and truss structures, have a lower weight, reducing the floor stress considerably.

Logistics and assembly: dimensions of the largest element of a ski simulator must go freely through doors, windows, and flights of stairs at the premises.

PROLESKI™ ski simulators have a dismountable design, allowing carrying even the largest components and elements through a standard door / window / flight of stairs into any building and to any storey.

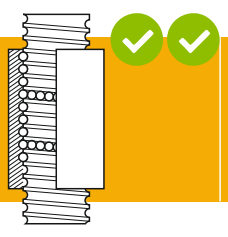
PROLESKI™ SKI SIMULATORS HAVE OPTIMAL DIMENSIONS AND ENSURE AN EXTENSIVE RANGE OF POSSIBILITIES IN SELECTION OF YOUR PREMISES.

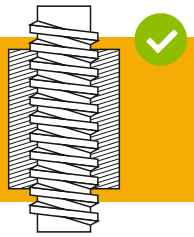
FIRE SAFETY

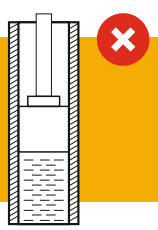
Fire safety: directly influences upon the possibility to install a ski simulator at a commercial building. All public buildings require equipment with a higher fire safety category.

PROLESKI™ ski simulators, due to the utilization of the "Ball-screw pair" lifting mechanism (electric cylinders), have a higher fire safety category.

They require no extra investments into the arrangement of additional premises for a hydraulic power unit, since they do not need it at all, in contrast to hydraulic power based simulators.







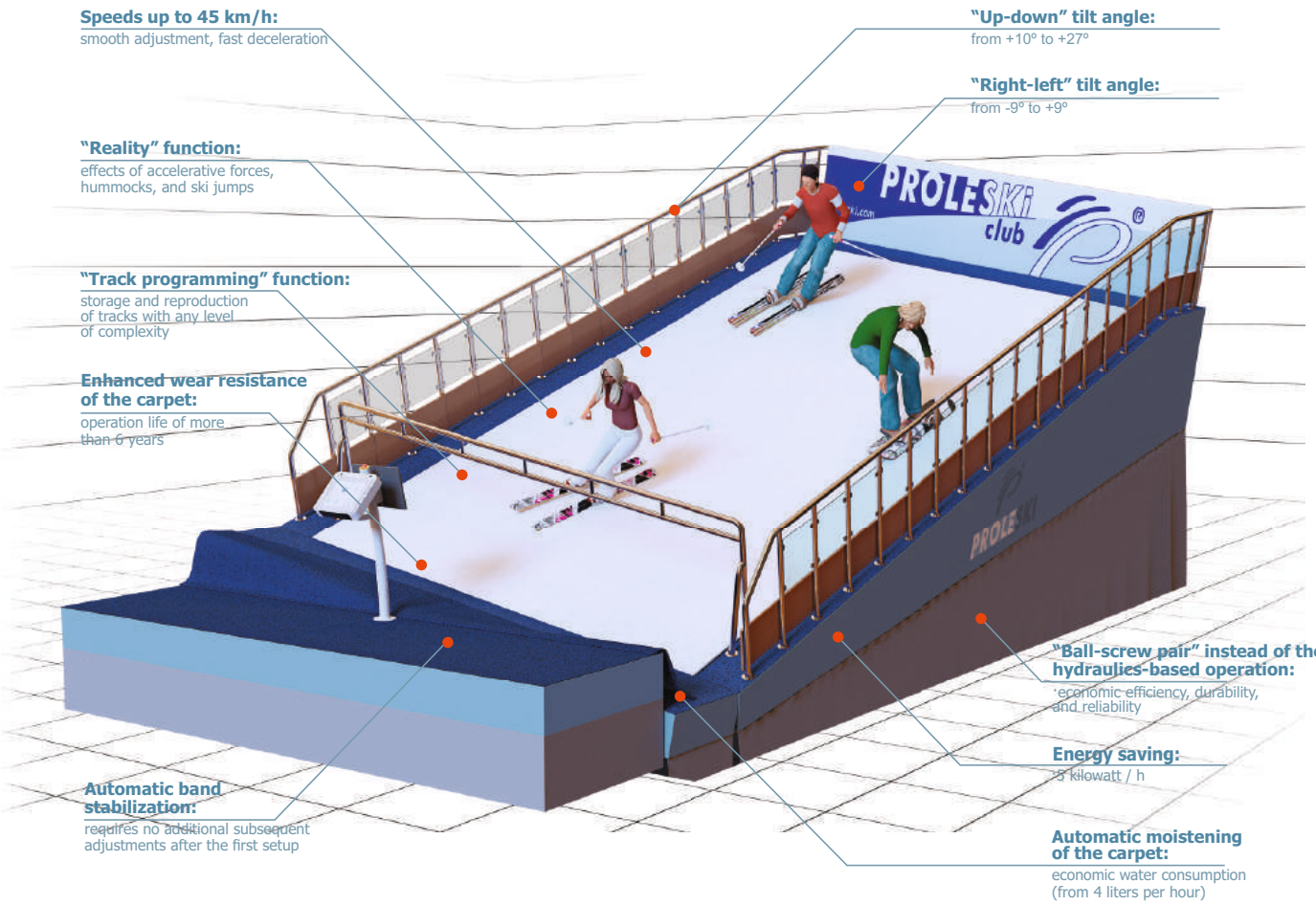
Lifting mechanism type	Ball-screw pair	Screw-nut pair	Hydraulics
Fire safety level:	High	High	Low Use of combustible oils requires additional investments into the fire protection of the building / arrangement of an additional room for a hydraulic power unit
Possibility for installation at public buildings:	Extensive range of possibilities	Extensive range of possibilities	Limited range of possibilities
Operation principle:	Driven by the electric motor	Driven by the electric motor	Pressurized oil moves the piston. Pressure is generated by a hydraulic pump
Friction:	Low friction	High friction	No friction
Mechanism wear:	No	High wear rate	Abruption of oil hoses under high pressure is possible
Noise level:	Low noise level	High noise level	Medium noise level
Mechanism operation life:	> 25 years	≤ 3 years	>20 years (subject to regular maintenance)
Motion speed:	2 °/ s	0.05 °/ s	0.05 °/ s
Acceleration:	≤3 m/s²	0.1 m/s²	0.1 m/s²
Maintenance support:	≤ 100$ / year	≤ 100$ / year	> 3000$ / year
Maintenance costs:	Bearing lubrication	Screw and nut lubrication	Changing the oil (~200 l / 1 year) Changing the hose (~1 / 3 years) Air filter (~2 / 1 year) Oil filter (~2 / 1 year) Rubber gaskets (if required)
Moment of electric energy consumption:	At the moment of the "upwards" motion	At the moment of the "upwards-downwards" motion	Continuously, during the entire period of simulator's operation, irrespective of the "upwards-downwards" motion
Electric energy consumption:	≤ 1.5 kW/h	≤ 6 kW/h	≤ 18 kW/h

PROLESKI™ WILL HELP YOU TO SAVE FROM 3000$/YEAR FOR MAINTENANCE OF 1 SIMULATOR.

PROLESKI™ SKI SIMULATORS:

PROLESKI™ covers a series of efficient and safe downhill skiing simulators of an "endless slope" type for indoor utilization. They have been designed for active recreation, entertainment, and sports training, including different training programs for "beginners", "advanced skiers", and professional athletes. All inventions are patented and have no analogues in the world.

"8D Vision System" virtual reality



For all ages, including children of 4 years and older

For all types of mountain skis and snowboards

Sharp edges, personal outfit

Automatic moistening of the carpet

Low servicing costs

Achieved overhaul life – 25 years

Any premises, any storey

Enhanced fire safety

24m

Customer-tailored dimensions

24/7

Prompt technical support

On-line control of your business

PROLESKI CLUB™ franchising

PROLESKI™ MODEL RANGE:

OPTIMAL:

Platform movability: N/A
Speed (basic/ option) = 25 (35) km/h
Tilt angle = 13.5°
Comfortable skiing = up to 3 persons
Training = up to 9persons

DIRECTION:

Platform movability: "up-down-right-left"
Speed (basic/ option) = 25 (35/45) km/h
Tilt angle = V: +10°/+22° H: +5°/-5°
Comfortable skiing = up to 3 persons
Training = up to 9persons

VERTICAL:

Platform movability: "up-down"
Speed (basic/ option) = 25 (35) km/h
Tilt angle = V: +9°/+20°
Comfortable skiing = up to 3 persons
Training = up to 9 persons

SPORT:

Platform movability: "up-down-right-left"
Speed (basic/ option) = 35 (45/50) km/h
Tilt angle = V: +10°/+23° H: +7°/-7°
Comfortable skiing = up to 3 persons

Class	Series	Model	For comfortable skiing, persons	For comfortable training, persons	Ceiling height, m	Effective length, m	Platform tilt angle		Basic speed, km/h (Option)
			Skis / Snowboard	Skis / Snowboard			V (vertical)	H (horizontal)	
SERIAL MODEL									
STATIC	OPTIMAL	PRO 1	1 / 1	3 / 2	3,5	3,15	13,5°	-	25 (35)
		PRO 2	2 / 2	6 / 4	4,15	6	13,5°	-	
		PRO 3	3 / 3	9 / 6	4,85	9,15	13,5°	-	
DINAMIC	VERTICAL	PRO 1V	1 / 1	3 / 2	4,35	3,15	+9°/+20°	-	25 (35)
		PRO 2V	2 / 2	6 / 4	4,9	6	+9°/+20°	-	
		PRO 3V	3 / 3	9 / 6	6	9,15	+9°/+20°	-	
	DIRECTION	PRO 1D	1 / 1	3 / 2	4,7	3,15	+10°/+22°	-5°/+5°	25 (35/45)
		PRO 2D	2 / 2	6 / 4	5,4	6	+10°/+22°	-5°/+5°	
		PRO 3D	3 / 3	9 / 6	6,55	9,15	+10°/+22°	-5°/+5°	
	SPORT	PRO 2DS	2 / 2	-	5,7	6	+10°/+23°	-7°/+7°	35 (45)
SPECIAL ORDER									
DINAMIC		PRO 2V+	2 / 2	6 / 4	5,45	7,5	+9°/+20°	-	25
		PRO 4V	4 / 4	12 / 8	7,9	12	+9°/+20°	-	25
		PRO 2D+	2 / 2	6 / 4	6	7,5	+10°/+22°	-7°/+7°	25

WE HAVE THE OPPORTUNITY TO MAKE ANY FITNESS SIZE ACCORDING TO CUSTOMER REQUIREMENTS IN A RANGE OF 24mx24m.

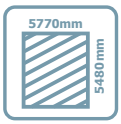
PROLESKI™ OPTIMAL SERIES:

OPTIMAL series is perfect for mountain skiing sport beginners and amateurs. Ski simulators of this series are notable for their fixed 13.5° platform tilt angle.

PRO1

Ceiling height with the maximum platform tilt angle

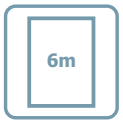
Operating surface length



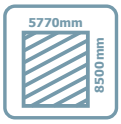
Mounting area

PRO2

Ceiling height with the maximum platform tilt angle



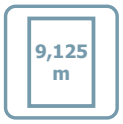
Operating surface length



Mounting area

PRO3

Ceiling height with the maximum platform tilt angle



Operating surface length

Mounting area

	Specifications	PRO1	PRO2	PRO3
Major characteristics	Recommended number of people for comfortable skiing (skis / snowboard)	1 / 1	2 / 2	3 / 3
	Recommended number of people for "Proleski™ School" training (skis / snowboard)	3 / 2	4 / 6	6 / 9
	Effective length, mm	3100	6000	9125
	Effective width, mm	4650	4650	4650
	Ceiling height with the maximum platform tilt angle, m	3,5	4,15	4,85
	Lower platform height (podium or pit), mm	640	640	640
	Mounting area length, at least … mm	5480	8500	11350
	Mounting area width, at least … mm	5770	5770	5770
	Range of platform tilt angle, degrees °	13,5°	13,5°	13,5°
	Maximum speed of the band motion, basic (option), km/h	25 (35)	25 (35)	25 (35)
	Average electrical energy consumption, kilowatt/h	≥ 3,5	≥ 6	≥ 6
	Average water consumption, liter/hour	≥ 4	≥ 5	≥ 6
Basic configuration	Automatic moistening of the ski carpet	+	+	+
	Water filtration system with warning sensors	+	+	+
	Electronic diagnostics system	+	+	+
	Shaft protection with rubber coating	+	+	+
	Fixed control panel	+	+	+
	Remote control console	+	+	+
	Automatic switch-off areas	+	+	+
	Stainless steel and polycarbonate safeguarding	+	+	+
	Starting bar (fixed)	+	+	+
	Protective mat (at the upper platform)	+	+	+
	Bar for “Skiing School” group training	-	+	+

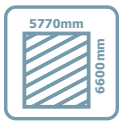
PROLESKI™ VERTICAL SERIES:

VERTICAL series is perfect for mountain skiing sport beginners and amateurs. Ski simulators of this series are notable for their movable platform ("up-down" motion) and vertical tilt angles within a range of +9° / +20°.

PRO1V

Ceiling height with the maximum platform tilt angle

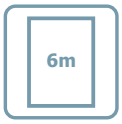
Operating surface length



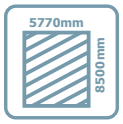
Mounting area

PRO2V

Ceiling height with the maximum platform tilt angle



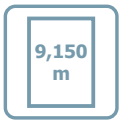
Operating surface length



Mounting area

PRO3V

Ceiling height with the maximum platform tilt angle



Operating surface length

Mounting area

	Specifications	PRO1V	PRO2V	PRO2V+	PRO3V
Major characteristics	Recommended number of people for comfortable skiing (skis / snowboard)	1 / 1	2 / 2	2 / 2	3 / 3
	Recommended number of people for "Proleski™ School" training (skis / snowboard)	3 / 2	6 / 4	6 / 4	9 / 6
	Effective length, mm	3100	6000	7500	9150
	Effective width, mm	4650	4650	4650	4650
	Ceiling height with the maximum platform tilt angle, m	4,35	4,9	5,45	6
	Lower platform height (podium or pit), mm	640	641	642	643
	Mounting area length, at least … mm	6600	8500	10100	11550
	Mounting area width, at least … mm	5770	5770	5770	5770
	Lifting mechanism type	Electric cylinders (ball-screw pair)			
	Range of platform tilt angle, degrees °	V:+9°/+20°	V:+9°/+20°	V:+9°/+20°	V:+9°/+20°
	Tilt change speed, degrees / sec.	1°/s	1°/s	1°/s	1°/s
	Acceleration of the tilt angle change is a basic feature and is set up to m/s2	1 m/s2	1 m/s2	1 m/s2	1 m/s2
	Maximum speed of the band motion, basic (option), km/h	25 (35)	25 (35)	25 (35)	25 (35)
	Average electrical energy consumption, kilowatt/h	≥ 3,5	≥ 6	≥ 6	≥ 10
	Average water consumption, liter/hour	≥ 4	≥ 5	≥ 5	≥ 6
Basic configuration	Automatic moistening of the ski carpet	+	+	+	+
	Water filtration system with warning sensors	+	+	+	+
	Electronic diagnostics system	+	+	+	+
	Shaft protection with rubber coating	+	+	+	+
	Fixed control panel	+	+	+	+
	Remote control console	+	+	+	+
	Automatic switch-off areas	+	+	+	+
	Stainless steel and polycarbonate safeguarding	+	+	+	+
	Starting bar (fixed)	+	+	+	+
	Protective mat (at the upper platform)	+	+	+	+
	Bar for "Skiing School" group training	-	+	+	+
	LCD indication table (V km/h, S km, t min., tilt angles)	19,5"	19,5"	19,5"	19,5"

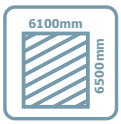
PROLESKI™ DIRECTION SERIES:

DIRECTION series is the flagship of PROLESKI™ ski simulators. It ensures maximum possible approximation to the reality, perfect training quality, and an extensive diversity of skiing techniques, being optimal for mountain skiing sport amateurs, advanced skiers, and professional athletes. It includes 3 models of ski simulators with a movable platform ("up-down-right-left" motion), vertical tilt angles within a range of +10° / +22°, and horizontal tilt angles within a range of -7° / +7°.

PRO1D

Ceiling height with the maximum platform tilt angle

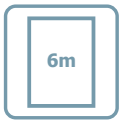
Operating surface length



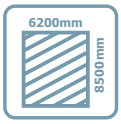
Mounting area

PRO2D

Ceiling height with the maximum platform tilt angle



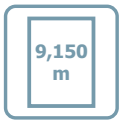
Operating surface length



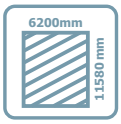
Mounting area

PRO3D

Ceiling height with the maximum platform tilt angle



Operating surface length



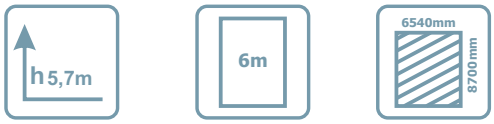
Mounting area

	Specifications	PRO1D	PRO2D	PRO2D+	PRO3D
Major characteristics	Recommended number of people for comfortable skiing (skis / snowboard)	1 / 1	2 / 2	2 / 2	3 / 3
	Recommended number of people for "Proleski™ School" training (skis / snowboard)	3 / 2	6 / 4	6 / 4	9 / 6
	Effective length, mm	3100	6000	7500	9150
	Effective width, mm	4650	4650	4650	4650
	Ceiling height with the maximum platform tilt angle, m	4,7	5,4	6	6,55
	Lower platform height (podium or pit), mm	950	950	950	950
	Mounting area length, at least … mm	6500	8500	10100	11580
	Mounting area width, at least … mm	6100	6200	6200	6200
	Lifting mechanism type	Specifications			
	Range of platform tilt angle, degrees °	V:+10°/+22° H:-5°/+5°	V:+10°/+22° H:-5°/+5°	V:+10°/+22° H:-5°/+5°	V:+10°/+22° H:-5°/+5°
	Tilt change speed, degrees / sec.	2,5°/s	2,5°/s	2,5°/s	1,8°/s
	Acceleration of the tilt angle change is a basic feature and is set up to m/s2	1 m/s2	1 m/s2	1 m/s2	1 m/s2
	Maximum speed of the band motion, basic (option), km/h	25 (35)	25 (35)	25 (35)	25 (35)
	Average electrical energy consumption, kilowatt/h	≥ 3,5	≥ 6	≥ 6	≥ 10
	Average water consumption, liter/hour	≥ 4	≥ 5	≥ 5	≥ 6
Basic configuration	Automatic moistening of the ski carpet	+	+	+	+
	Water filtration system with warning sensors	+	+	+	+
	Recuperation system	+	+	+	+
	Electronic diagnostics system	+	+	+	+
	Shaft protection with rubber coating	+	+	+	+
	Fixed control panel	+	+	+	+
	Remote control console	+	+	+	+
	Automatic switch-off areas	+	+	+	+
	Stainless steel and polycarbonate safeguarding	+	+	+	+
	Starting bar (fixed)	+	+	+	+
	Protective mat (at the upper platform)	+	+	+	+
	Bar for "Skiing School" group training	-	+	+	+
	LCD indication table (V km/h, S km, t min., tilt angles)	19,5"	19,5"	19,5"	19,5"

PROLESKI™ SPORT SERIES:

SPORT series is perfect for professional athletes. It ensures high quality training for various skiing techniques under conditions of maximum possible approximation to the reality and enhanced safety. The model is notable for its movable platform ("up-down-right-left" motion), vertical tilt angles within a range of +10° / +23°, and horizontal tilt angles within a range of -7° / +7°.

PRO2DS



Ceiling height with the maximum platform tilt angle | Operating surface length | Mounting area

	Specifications	PRO2DS
Major characteristics	Recommended number of people for comfortable skiing (skis / snowboard)	2 / 2
	Effective length, mm	6000
	Effective width, mm	4650
	Ceiling height with the maximum platform tilt angle, m	5,7
	Lower platform height (podium or pit), mm	1100
	Mounting area length, at least … mm	8700
	Mounting area width, at least … mm	6540
	Lifting mechanism type	Electric cylinders (ball-screw pair)
	Range of platform tilt angle, degrees °	V: +10°/+23°, H: +7°/-7°
	Tilt change speed, degrees / sec.	2°/s
	Acceleration of the tilt angle change is a basic feature and is set up to m/s2	1 m/s2
	Maximum speed of the band motion, basic (option), km/h	45 (50)
	Average electrical energy consumption, kilowatt/h	≥ 10
	Average water consumption, liter/hour	≥ 7-10
Basic configuration	Automatic moistening of the ski carpet	+
	Water filtration system with warning sensors	+
	Recuperation system	+
	Electronic diagnostics system	+
	Automatic maintenance system	+
	Shaft protection with rubber coating	+
	Fixed control panel	+
	Future (Touch Screen) fixed control panel	+
	Remote control console	Extended configuration
	Smooth speed adjustment	+
	Adjustment of the ski carpet and lifting mechanism acceleration	+
	Braking module for quick stop	Extended configuration
	Automatic switch-off areas	+
	Protective mat	Perimeter-wise
	Safety suspension system with a positioning sensor	+
	Track programming system	+
	Automatically adjusted starting bar	+

SIMULATOR'S TRAFFIC CAPACITY

	1	2	3
	PRO1 / PRO1V / PRO1D	PRO2 / PRO2V / PRO2V+ PRO2D / PRO2D+ / PRO2DS	PRO3 / PRO3V / PRO3D
Comfortable skiing	1 person	2 persons	3 persons
Comfortable training (skis)		6 persons	9 persons
Comfortable training (snowboard)		4 persons	6 persons

PROLESKI™ simulators ensure maximum possible convenience and their dimensions are optimal for comfortable skiing and training of both skiers and snowboard riders.

For comfortable skiing of one person with 170-cm long skis, a ski carpet length multiple of 3 meters is required. The operating surface of all PROLESKI™ simulators is multiple of 3 meters, being optimal for skiing of 1-3 persons at 1 simulator, depending on the model.

For training of beginners in groups, an additional "Ski school" starting bar is set at the working surface with 3-meterintervals, enabling simultaneous training of 4 to 9 persons at 1 simulator.

QUALITY ASSURANCE:

MULTILEVEL CONTROL SYSTEM.

Emphasis on the details.
Components from suppliers with international reputation.

DESIGN RELIABILITY:

Corrosion resistance: galvanized steel / powder coating.
Approved vendors only: Siemens, ABB, Forbo, and SKF.

SHAFT PROTECTION WITH RUBBER COVERING:

A part of the basic configuration.
Protection from corrosion.
Enhancement of the shaft cohesion with the ski carpet.
Exclusion of the carpet slippage / skidding.

AFTER-SALES SERVICE:

Prompt 24/7 support.
Remote on-line diagnostics.
Response time = 1 hour maximum.

PATENTED TECHNOLOGIES:

All inventions have been already patented and have no analogues in the mountain ski simulators' world.

ELECTRONIC DIAGNOSTICS SYSTEM:

Quick and precise determination of operator's errors, system failures, as well as of the fact of external interference.

INTERNATIONAL CERTIFICATION:

All PROLESKI™ ski simulators have CE certificates.

QUALITY ASSURANCE:

Full 2
year warranty

Extended 5
year warranty

ACHIEVED OVERHAUL LIFE – 25 YEARS.

OPERATING ECONOMY:

ECONOMIC MAINTENANCE SUPPORT:

Low maintenance costs:

Costs ≤ 100$ / year:
- Lubrication of friction units
- Change of the water filter

No other maintenance costs needed

Automatic maintenance system:

Automatic lubrication of ski simulator's units, bearings, and lifting mechanisms.
A fully programmable system.
100% human factor independent.

LOW ELECTRIC ENERGY CONSUMPTION:

Low rate of friction between skis and the carpet:

It is ensured due to the utilization of the Proleski™ moistening concentrate.

"Ball-screw pair" lifting mechanism:

Power consumption is only 1.5 kW/h.
Up to 12 times more cost effective than other lifting mechanisms.

Recuperation system:

Return of the electric energy to the power network while decelerating or stopping the ski carpet.
Electric power consumption saving up to 20%.

REASONABLE WATER CONSUMPTION RATE:

Automatic moistening of the ski carpet:

Uniform moistening of the carpet.
Process is remotely controlled, ensuring a more technical and aesthetical approach than the manual moistening of the carpet.

Water filtration system:

Designed to protect both sprayers from the dirty water, the system automatically shows a warning message when a change of filters is needed.

Closed-circuit system of the ski carpet moistening:

Moistens the ski carpet automatically.
Perfectly fits facilities without centralized water supply and sewage systems.

AUTOMATIC CARPET HUMIDIFYING:

Uniform moistening of the ski carpet enhances sliding and removes scratching and braking areas. Water is sprinkled automatically with the help of the remote control device, allowing to ensure continuous training process. Water delivery is switched off automatically after 30 seconds of moistening. The process of the carpet moistening is hidden from the club's customers. Both technically and aesthetically, this is a more advanced approach than the manual moistening of the carpet.

Automatic electronically controlled moistening

YES!

Manual water application with a hose

NO!

SKI CARPET:

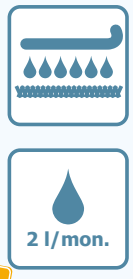
WE SAY "YES" TO SHARP EDGES!

Own technology for ski carpet fabrication.
High wear-resisting properties. Enhanced sliding.

ENHANCED WEAR RESISTANCE OF THE CARPET:

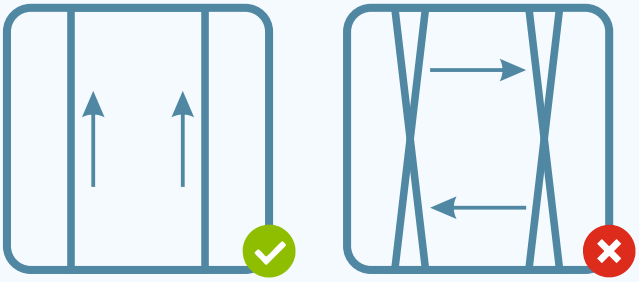
High-strength composite material.
Pile height – 23 mm.
Enhanced resistance to abrasion.
Enhanced sliding.
For all types of mountain skis and snowboards.
Suitable for sharp edges.
Possibility to use customers' personal outfit.
Warranty – 7000 hours of continuous sliding.
Operation life – more than 6 years.

PROLESKI™ MOISTENING CONCENTRATE: OPTION



Unique design by PROLESKI™.
Ensures a low rate of friction between skis and the carpet.
Extends service life of the ski carpet by 2.5 times.
Economic consumption: 2 liters a month per ski simulator for three skiers.
Liquid, odor- and color-free, chemically neutral, stick-free, and leaves no stains on the clothes.

PRECISE BAND STABILIZATION:

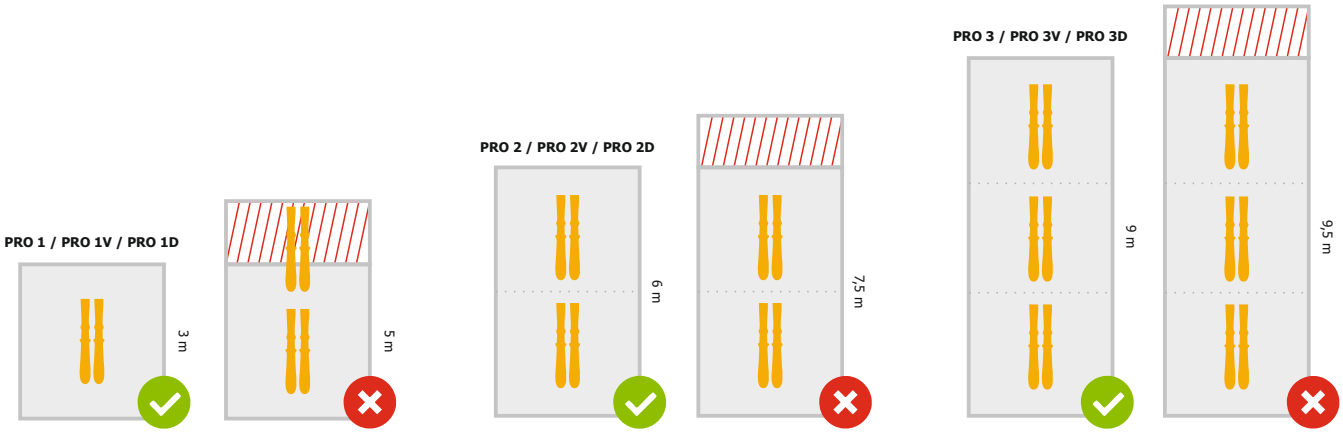


Two-level system for automatic band stabilization.
The band is set up once during the assembly process and requires no additional subsequent adjustments.
Pinpoint accuracy at each moment of time, even with a large number of people sliding and high speeds.

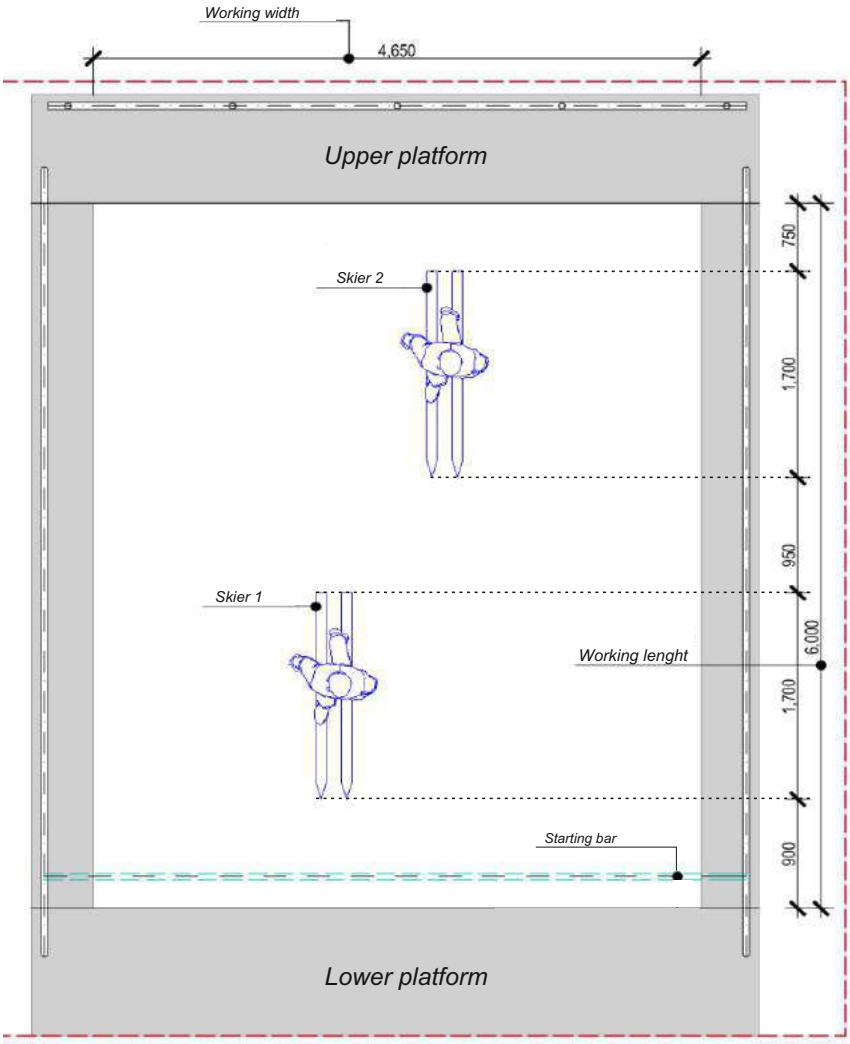
OPTIMAL DIMENSIONS:

For more than 10 years PROLESKI™ has been in close collaboration with professional athletes of the mountain skiing sports and is in permanent contact with its customers. This experience has allowed us to make our equipment more compact, to expand the range of possibilities for choosing a simulator's location area, and to optimize costs per square meter of area.

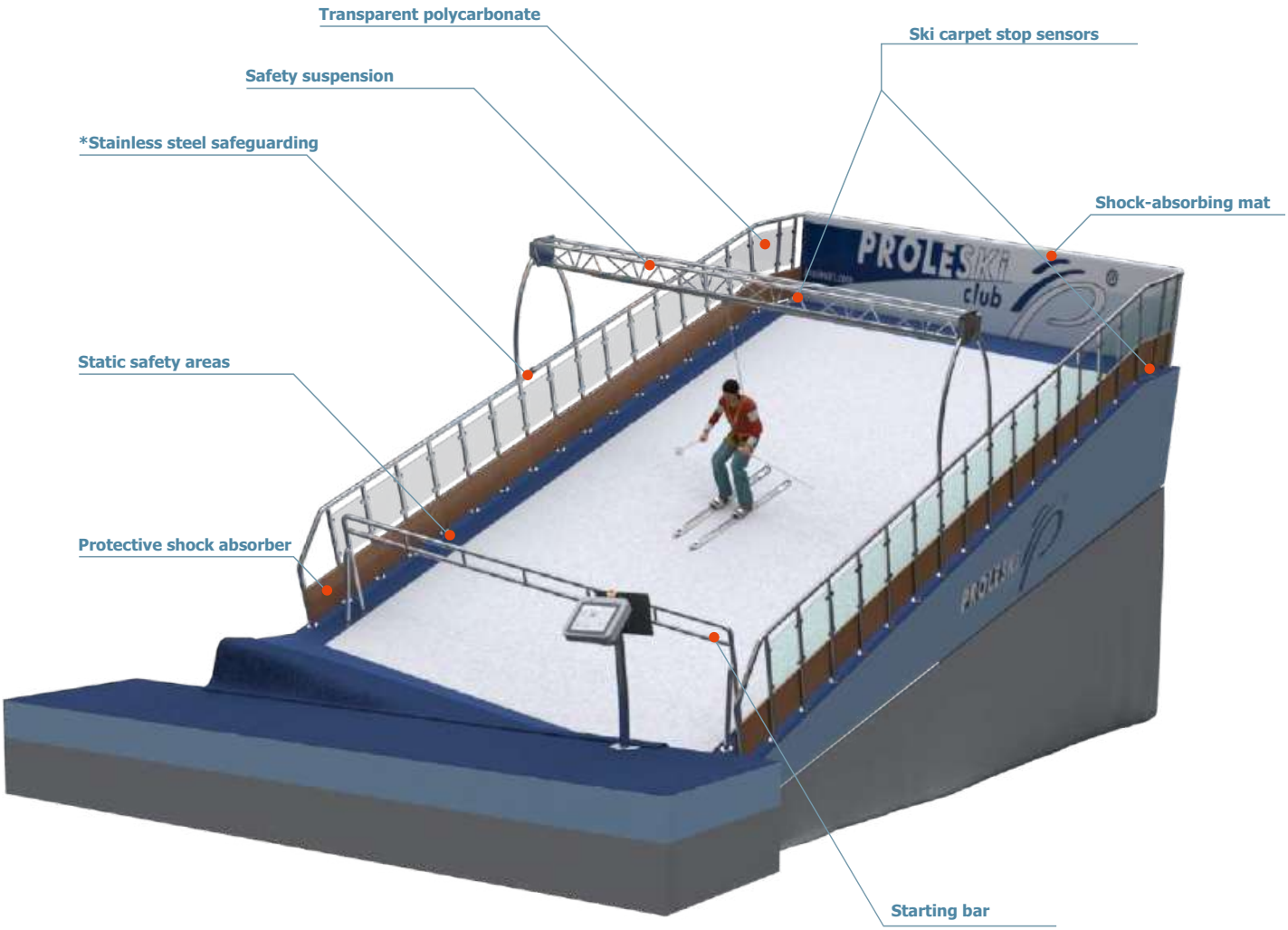
Multiple testing of simulators with skiers and snowboard riders of all qualification levels has proved that, to ensure comfortable skiing of one person with 170 cm long skis, the ski carpet length must be multiple of 3 meters. That is why the length of the ski carpet for all PROLESKI™ ski simulators is 3, 6, and 9 meters, being the most ergonomic one based on the 10-year research results.



Ergonomics of the PROLESKI™ simulator operating surface through the examples of PRO 2, PRO 2V, and PRO 2D models:

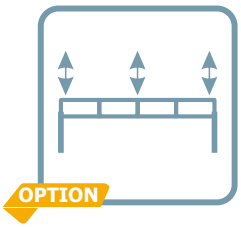


ABSOLUTE SAFETY:



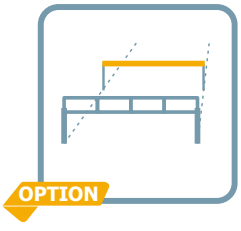
SAFETY SUSPENSION:

Makes training 99% safe
Ensures the retention of a skier in a vertical position and automatic stop of the band after the trainee's fall
Expedites the training process, including training under extremal conditions



AUTOMATICALLY ADJUSTED STARTING BAR:

Possibility to adjust the bar's height depending on the customer's stature.
Fixation of the bar in any position within the height range of 820-1250 mm.
Two handrails with different diameters for convenient gripping by both children and adults.
Bar adjustment with the control panel.



ADDITIONAL "SKIING SCHOOL" STARTING BAR:

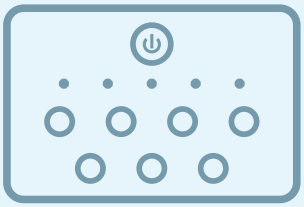
Installed in the middle part of the ski simulator to ensure safe training for beginners.
Helps to double the number of trainees, skiing at the same time.

CONTROL OF THE SIMULATOR:

"FUTURE" FIXED CONTROL PANEL: OPTION

Touch screen display. User-friendly menu. Multilingual interface.
Launch and stop of the simulator's operation.
Emergency shutdown of the ski simulator.
Adjustment of the carpet motion speed.
Control on the platform tilt angles in 8 directions.
Gives prompting messages on the step-by-step access to functions and prevents potential errors of the operator.
Includes the ski simulator's electronic diagnostics system.
Opportunity to settle accounts with a plastic card.
Key lockout function.
Kit includes 19.5" LCD monitor, used as the indication panel (speed, time, distance, and platform tilt angle).
Can be installed at the simulator's bottom part or on the podium.
Can be combined with the billing and booking systems and operate as a single simulator's control center.

FIXED CONTROL PANEL:



Launch and stop of the simulator's operation.
Emergency shutdown of the ski simulator.
Adjustment of the carpet motion speed.
Control on the platform tilt angles.
Control on the ski carpet moistening.
Key lockout function.
Electromechanical buttons.
Stainless steel body.
Light-emitting diode indicators of the diagnostics system.
Panel is included to the basic configuration.

REMOTE CONTROL CONSOLE:

Launch and stop of the simulator's operation.
Adjustment of the carpet motion speed.
Control on the ski carpet moistening.
Control on the platform tilt angles.
Console is included to the basic configuration.

SKILL. INTEREST. ADRENALIN:

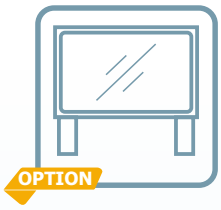
SPEED FOR CARVING:

Option for the commercial use – up to 35 km/h.
Option for sportsmen – up to 45 km/h.
Remote control of the speed.
Soft start and smooth completion of the set.
Quick stop of the band after the fall of a skier.

SPEED FOR SPORT:

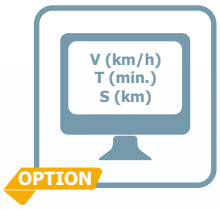
For professional sports training. Remote speed control.

Soft start and smooth completion of the set.
Fast tape stop in case if skier falls.



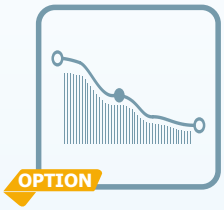
MIRROR STAND:

Helps customers to see and to correct skiing technique errors.
Represents a mirror, cased into a metal frame and installed on the floor / wall, with the possibility to adjust the tilt angle.



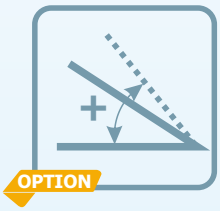
INDICATION PANEL:

19.5” LCD-monitor with a programming module.
System makes a warning signal 10 seconds prior to the end of the set.
Panel shows V km/h, S km, t min., and tilt angles.
Can be used as an advertising medium.
Panel is a part of the Future control panel.



TRACK PROGRAMMING SYSTEM:

Designed for dynamic models of Vertical, Direction, and Sport series.
Possibility to program and reproduce tracks with certain specifics of the relief.
Possibility to set up the coordinates of tracks from actual mountain resorts with any level of complexity.
Allows repeating the track model under the pre-set coordinates: ski carpet speed, platform tilt angles, acceleration of tilt angle changes, and duration of each of the parameters in case of platform relocation.

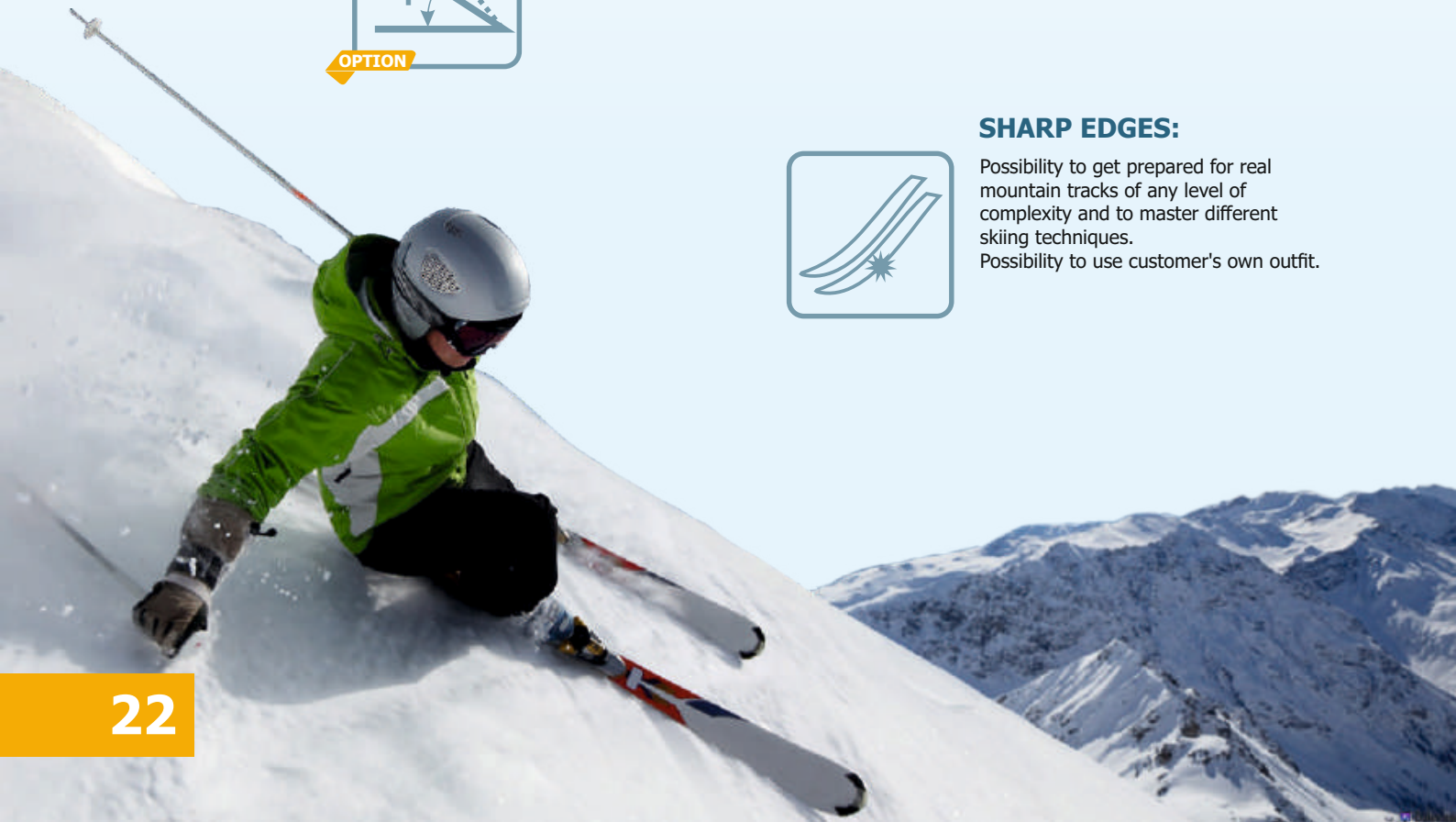


TILT ANGLE INCREASE:

An option available to Vertical and Direction series allows for simulator vertical tilt increase within 9 to 35 degrees.

SHARP EDGES:

Possibility to get prepared for real mountain tracks of any level of complexity and to master different skiing techniques.
Possibility to use customer's own outfit.



PROLESKI

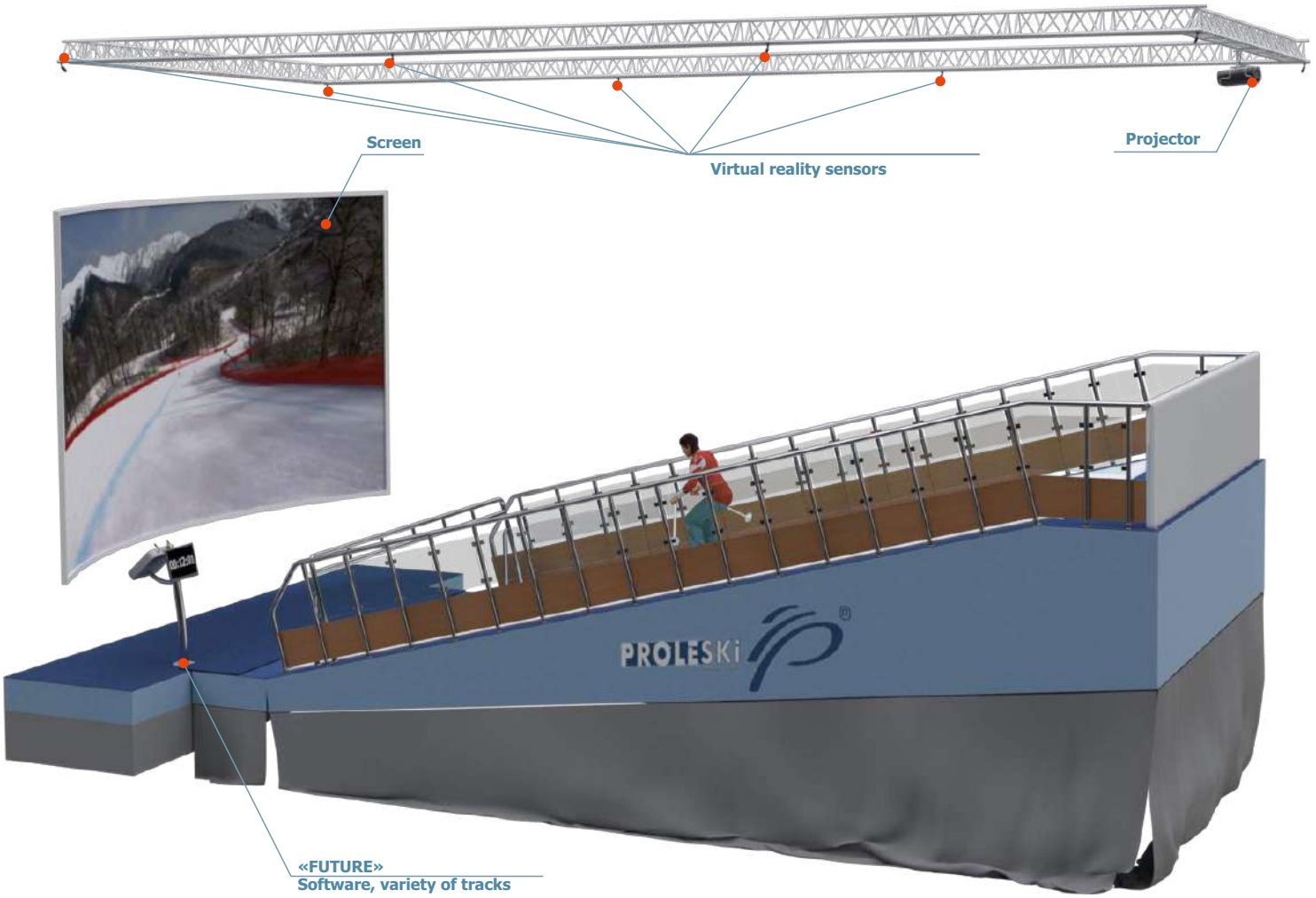
GAME FUNCTIONS

8D Vision - system virtual reality of ski slopes.
Module “Records”- for competition organization, championships, ratings.

High motivation and long term customer’s loyalty.

“8D VISION” SYSTEM VIRTUAL REALITY

Even more bright emotions of real presence on the ski slope. 8D Vision system virtual reality allows to get an experience at any track of the world.



This is software complex which provides visualisation of skiing on the ski slope and has 2 modes of operation:

1 mode: The speed of the ski carpet and the angles of inclination of the platform are set automatically, in accordance with selected (preset) virtual track.

2 mode: The displayed track is drawn automatically in accordance with the speed of the ski carpet and tilt angle of the platform which are set by the operator (instructor) of the simulator in real time.

«8D Vision» VIRTUAL REALITY

8D Vision light

8D Vision light outputs signal to display the corresponding terrain and view angle, based on the speed of the ski carpet, tilt angle of the platform - in real time by means of the simulator software which interacts with the electronics of the simulator. The virtual track is displayed based on the viewpoint of the basic position of the skier on the platform.

Equipment: Software Proleski: modules 8D, track programming system, ready tracks.

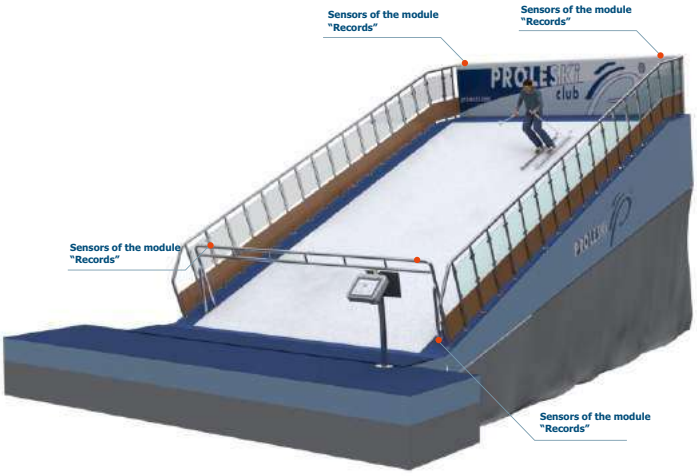
8D Vision full

Displays on the screen of the projector* the appropriate terrain and view angle, based on the speed of ski carpet, tilt angle of the platform and position of the skier on the platform and direction of his skis- in real time via VR camera system, markers, and software of the simulator interacting. The virtual track is displayed based on the view angle corresponding to the position of the skier on the platform.

Equipment: position cameras system and control points, screen, projector, software Proleski: modules 8D, track programming system, ready tracks.

MODULE "RECORDS"

Competitions motivate skiers interest and increase an adrenaline! It is easy to create events and ratings with the help of module " Records". Measure and record the progress, dynamics of the passing the tracks, the numbers of the turns. It is easy to share the results and story of success.



Module "Records" allows you to display the dynamic characteristics of passing the set including the turn indicator in real time. At the end of the set a report displays indicating the terrain, the length of the route, the speed, the elapsed time, the number of turns. Create a table of event competitions and permanent ratings of the club , enter the names, criteria, analyze and display in order of priority of the results of all participants of the competition and /or all customers of the club. Complete with the billing system automatically send the client an electronic report about passed route and results of the competitions.

Equipment: software "Records",brackets with sensors

BUSINESS MANAGEMENT:

BILLING SYSTEM:

Full real-time control of your business.
Convenient multicurrency and multilingual system.

The billing system represents a complex software module and has been designed by PROLESKI™ for convenient and up-to-date business conduct. It includes the following possibilities and components:

FINANCE MANAGEMENT:

Receipt of the skiing fares in cash, electronic payments, and plastic card payments.
Deposit system: customer's prepayment for future services.
Possibility to define and adjust the price for club's services depending on the month, week, day, and specific period of time.
Full financial analytical reports:
- Funds received for services provided;
- Funds received for future services;
- Gross revenue by each of the employees (administrator / instructor);
- Flexibly adjusted financial reports in accordance with individually set parameters.

Automatic generation and mailing of reports to the club owner at the end of the working day.
Possibility to generate any report in accordance with individual requirements of the club owner.
Full real-time control on the financial performance of the club, 24/7.

PERSONNEL MANAGEMENT:

Accounting and statistics on the club employees' labor time.
Accounting on the simulator's use time.
Pass entry system.
Instructor identification.
Personnel payroll and incentive accounting.
Personnel has no possibility to switch the ski simulator on without the payment for the set.

SKI SIMULATOR'S OPERATION CONTROL:

Accounting of the actual operating time of the ski simulator.
Customer / operator identification.
Admission to training only after the payment for the set (ski simulators are not switched on without the payment).
Possibility for flexible adjustment of the set duration.
Control on the ski simulator's performance in accordance with club's objectives (services, presentations, maintenance).

BUSINESS MANAGEMENT:

CUSTOMER DATABASE MANAGEMENT:

Generation of the customer's database with the required personal information.
Customer / service / funds / preference identification.
Possibility for the customers to check their club membership card balance.
Full integrated database of your customers' personal information.

LOYALTY SYSTEM:

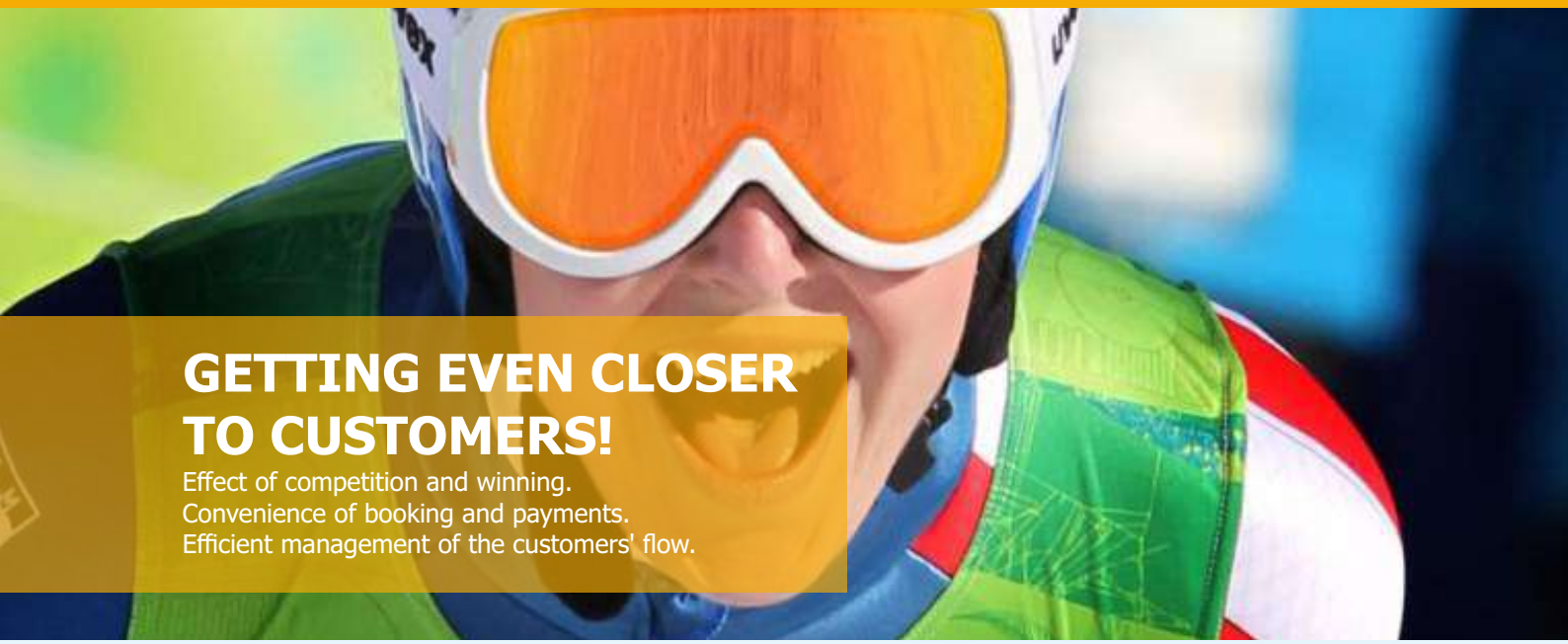
Definition of customers' preferences, segmentation of customers.
Management of marketing measures (bonuses / promo actions / discounts).
Possibility for a programmed on-line newsletter (information on actions, events, activities, and greetings on holidays, including opportunities for advertisers).
Flexible and controlled loyalty system for customers.

BILLING SYSTEM KIT:

Work place of the administrator and cashier (computer with a monitor and a card reader).
Work place of the instructor (computer with a touch-screen monitor and a card reader).
Interface for customers and a database server, allowing customers to independently check the balance, discounts, and other details of their plastic cards (computer with a monitor and a card reader).
Kit to operate 4 ski simulators: PROLESKI™ software + computer hardware + receipt printer + OS Windows 8.
Plastic PROLESKI CLUB™ deposit cards (for franchisees only).

The billing system is the basis for business conduct and may be supplemented with "Customer Service" capabilities and other options upon customer's request.

CUSTOMER SERVICE:



GETTING EVEN CLOSER TO CUSTOMERS!

Effect of competition and winning.
Convenience of booking and payments.
Efficient management of the customers' flow.

"BOOKING" MODULE:

OPTION

Booking is carried out by the club administrator upon customers' requests.
Contains options for advanced and confirmed booking.
Includes the function of set booking by time and date.
Represents a system of the club operation planning.
The module may be connected with the billing system and launch of the simulator.

"ON-LINE PROLESKI CLUB BOOKING" MODULE:

ON LINE

OPTION

Customers can directly book and pay for sets on-line, using their personal account at the club's website.
Customers can remotely control their balance, the number of sets skied, and all their statistics.
Module is combined with the billing system and the Future control panel.
Fully automatic process.
Available for franchisees only.

The system "Members Achievements PROLESKI CLUB®":

OPTION

Generates personal reports for customers on the track covered, specifying the track relief, speed, distance, and stops.
Possibility to show reports on the display and to automatically send reports to the club member's electronic mail in a chart form.
Possibility to get the track charts, to keep a journal of all tracks covered, to keep track of the trainee's effectiveness rate, and to share the data with the social media.
Allows arrangement of competitions among club members, as well as comparing and showing on the display.
Promotes customers' interest towards skiing, motivates them to perfect their skiing techniques, and raises the competition gusto and excitement.
Available for franchisees only.

SYSTEM OF THE SKI SIMULATOR'S ZONE ACCESS:

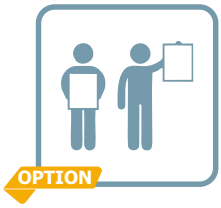
OPTION

Designed and installed to organize and to increase the club's traffic capacity.
Helps to organize queues and regulates the sequence of customers' admission to the ski simulator.
Raises the level of safety and comfort in the ski simulator's zone.
Notifies about the time of the ski simulator's vacation.
Along with the billing and booking systems, enables the invitation of customers in accordance with the queue and optimization of cashier's and instructor's operations.
Admission to the preparation and training zone is allowed with a customer's personal card only.
Fully automatic system.

GET EVEN MORE FOR YOUR BUSINESS!

BUSINESS TRAINING:

Personnel training on business processes and practical transformation of the PROLESKI CLUB franchise into reality.
Training duration: 7 days.
Training at the customer's premises.
Option available for franchisees only. .



TRAINING FOR INSTRUCTORS:

Instructors' training on safe skiing, skiing techniques, customer-training techniques, and personal sales techniques.
Training duration: 7 days.
Training at the customer's premises.

ELECTRONIC SYSTEM FOR PERSONNEL CERTIFICATION:

The staff will be able to start working only after the tests (in any other case the system is not launched). This system operates along with the billing system and the FUTURE fixed control panel.
Option available for franchisees only.

PROTECTION SYSTEM FOR OPEN-AIR OPERATION:

Thanks to the fallout protection of the electric and electronic elements of ski simulators up to IP64, the system enables the open-air operation of the simulator.

VARIABILITY:

Possibility to design and manufacture an individual ski simulator with optional dimensions in accordance with customer's needs: maximum design length / width = 24 meters. Software development and adaptation upon customer's request.

STARTUP SUPPORT:

Recommendations on the efficient utilization of every square unit.
Zoning and sketching visualization of the club's space.
Selection of optimal equipment in accordance with your club's goals.

SEND US YOUR PREMISES' LAYOUT AND WE WILL ARRANGE THE FOLLOWING FOR YOU:

Zoning and sketching visualization of the club's space.
Recommendations on the execution of the project feasibility study.

PROLESKI CLUB FRANCHASING

PROLESKI™ offers a sustainable business model, which includes the own business conduct technique and is based on the invention, protected by patents, and ensures the protection of your territory from competition.

PROLESKI CLUB franchising helps you to set up your own ski club "from scratch", to systematize your business, to make it financially successful, and to recoup your investments within the shortest possible period of time.

This franchising concept has been developed and tested with our own chain of clubs and represents a unique technology for establishment of a successful indoor skiing club with a detailed description of instructions, actions, and solutions for each stage of your business development.

It also includes comprehensive support of our experts at all project stages, allowing you to minimize the commercial risks and to be the first in conquering of your regional niche.

Find more about the PROLESKI CLUB franchising at www.proleski.com.

PROLESKI

PROLESKI Group of companies was established in 2007. The list of its professional activities includes engineering and manufacturing in the machinery construction business; design and development of manufacturing automation systems; software development; arrangement and development of catering, entertainment, and sports facilities; and consulting. The Group owns a number of invention patents, author's rights, and trademarks, including PROLESKI and PROLESKI CLUB. Group's headquarters are located in the UK. The engineering department is in Germany, while corporate production facilities and the software business are based in the Eastern Europe. All of our people are united by the love for mountain skiing!

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